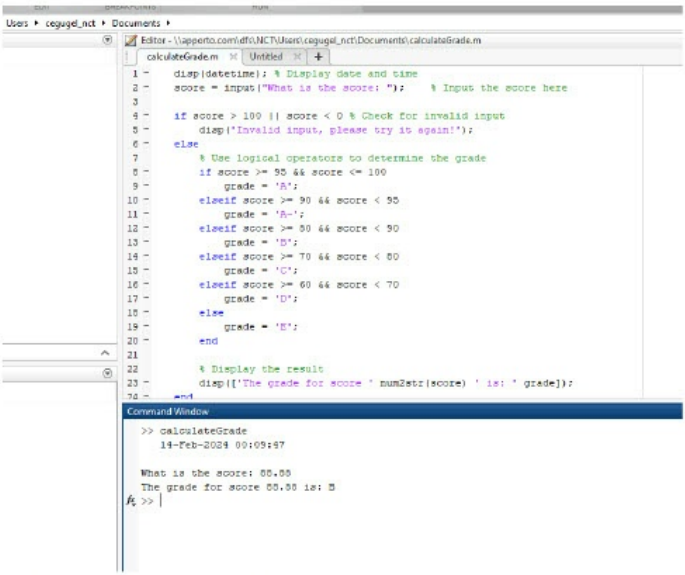
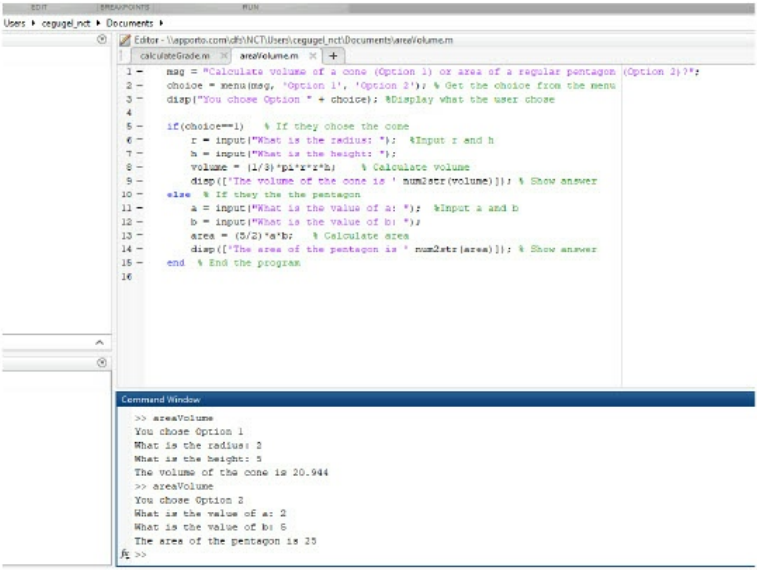

Users ▸ cegugel_nct ▸ Documents ▸
Editor - \\apporto.com\dfs\NCT\Users\cegugel_nct\Documents\calculateGrade.m
calculateGrade.m
Untitled
1 - disp(datetime); % Display date and time
2 - score = input("What is the score: "); % Input the score here
3
4 - if score > 100 || score < 0 % Check for invalid input
5 - disp('Invalid input, please try it again!');
6 - else
7 % Use logical operators to determine the grade
8 - if score >= 95 && score <= 100
9 - grade = 'A';
10 - elseif score >= 90 && score < 95
11 - grade = 'A-';
12 - elseif score >= 80 && score < 90
13 - grade = 'B';
14 - elseif score >= 70 && score < 80
15 - grade = 'C';
16 - elseif score >= 60 && score < 70
17 - grade = 'D';
18 - else
19 - grade = 'E';
20 - end
21
22 % Display the result
23 - disp(['The grade for score ' num2str(score) ' is: ' grade]);
24 - end
Command Window
>> calculateGrade
14-Feb-2024 00:09:47
What is the score: 88.88
The grade for score 88.88 is: B
fx >>


Users ▸ cegugel_nct ▸ Documents ▸
Editor - \\apporto.com\dfs\NCT\Users\cegugel_nct\Documents\areaVolume.m
calculateGrade.m
areaVolume.m
1 - msg = "Calculate volume of a cone (Option 1) or area of a regular pentagon (Option 2)?";
2 - choice = menu(msg, 'Option 1', 'Option 2'); % Get the choice from the menu
3 - disp("You chose Option " + choice); %Display what the user chose
4
5 - if(choice==1) % If they chose the cone
6 - r = input("What is the radius: "); %Input r and h
7 - h = input("What is the height: ");
8 - volume = (1/3)*pi*r*r*h; % Calculate volume
9 - disp(['The volume of the cone is ' num2str(volume)]); % Show answer
10 - else % If they the the pentagon
11 - a = input("What is the value of a: "); %Input a and b
12 - b = input("What is the value of b: ");
13 - area = (5/2)*a*b; % Calculate area
14 - disp(['The area of the pentagon is ' num2str(area)]); % Show answer
15 - end % End the program
16
Command Window
>> areaVolume
You chose Option 1
What is the radius: 2
What is the height: 5
The volume of the cone is 20.944
>> areaVolume
You chose Option 2
What is the value of a: 2
What is the value of b: 5
The area of the pentagon is 25
fx >>